

HOLLAND & KNIGHT LLP

One Atlantic Center
1201 West Peachtree Street, N.E.
Suite 2000
Atlanta, Georgia 30309-3400

404-817-8500
404-881-0470 FAX

www.hklaw.com

Annapolis
Atlanta
Bethesda
Boston
Bradenton
Chicago
Fort Lauderdale
Jacksonville
Lakeland
Los Angeles
Melbourne
Miami
New York
Northern Virginia
Orlando
Portland
Providence
St. Petersburg
San Antonio

San Francisco
Seattle
Tallahassee
Tampa
Washington, D.C.
West Palm Beach

•Holland & Knight U.C.

International Offices:
Caracas
Helsinki
Mexico City
Rio de Janeiro
Sao Paulo
Tel Aviv
Tokyo

*Representative Offices

**RECEIVED
CENTRAL FAX CENTER**

NOV 03 2003

OFFICIAL

FACSIMILE**TO:**

Group 1600	Assistant Commissioner for Patents - Group 1600	703-872-9306
NAME	COMPANY/FIRM	FAX NUMBER
Washington	D.C.	703-305-1383
CITY	STATE	(TELEPHONE NUMBER)

FROM:

Rivka D. Monheit	404-8514	14
NAME	TELEPHONE	TOTAL PAGES (Including Cover Sheet)

FOR THE RECORD:

DATE: November 8, 2003	URGENCY: <input type="checkbox"/> SUPER RUSH	<input type="checkbox"/> RUSH	<input type="checkbox"/> REGULAR
FAXED BY:	FILE #: 077637.17	CLIENT NAME: FTI 126	
CONFIRMED: <input type="checkbox"/> YES <input type="checkbox"/> NO	NAME: Peggy Bailey	TIME:	

If you did not receive all of the pages or find that they are illegible, please call (404) 817-8500

CONFIDENTIALITY NOTICE: This facsimile, along with any documents, files, or attachments, may contain information that is confidential, privileged, or otherwise exempt from disclosure. If you are not the intended recipient or a person responsible for delivering it to the intended recipient, you are hereby notified that any disclosure, copying, printing, distribution or use of any information contained in or attached to this facsimile is strictly prohibited. If you have received this facsimile in error, please immediately notify us by facsimile or by telephone collect at the numbers stated above, and destroy the original facsimile and its attachments without reading, printing, or saving in any manner. Your cooperation is appreciated. Thank you.

MESSAGE:

Applicant: Arthur J. Coury, Stephen D. Goodrich, Hildegard M. Kramer, Luis Z. Avila, John F. Traverse, and Peter K. Jarrett

Serial No.: 09/658,390

Art Unit: 1617

Filed: September 8, 2000

Examiner: S. Wang

For: **HYDROGELS FOR ORTHOPEDIC REPAIR**

PTO/SS/21 (08-03)

Approved for use through 07/31/2006, OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	09/658,390	
	Filing Date	September 8, 2000	
	First Named Inventor	Arthur J. Coury	
	Art Unit	1617	
	Examiner Name	S. Wang	
Total Number of Pages in This Submission	13	Attorney Docket Number	FTI 126

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input checked="" type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Rivka D. Monheit, Esq., Reg. No. 48,731	Holland & Knight LLP
Signature	Suite 2000, One Atlantic Center, 1201 West Peachtree Street, N.E.; Atlanta, GA 30309-3400	
Date	November 3, 2003	

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Typed or printed name	Peggy D. Bailey		
Signature	<i>Peggy D. Bailey</i>	Date	November 3, 2003

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PTO/SB/17 (01-03)

Approved for use through 04/30/2003. OMB 0851-0032
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL
for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$ 110.00**Complete If Known**

Application Number	09/658,390
Filing Date	September 8, 2000
First Named Inventor	Arthur J. Coury
Examiner Name	S. Wang
Art Unit	1617
Attorney Docket No.	FTI 126

METHOD OF PAYMENT (check all that apply)☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:Deposit
Account
Number
Deposit
Account
Name

50-1868

Holland & Knight LLP

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) during the pendency of this application☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1001 750	2001 375	Utility filing fee	
1002 330	2002 165	Design filing fee	
1003 520	2003 260	Plant filing fee	
1004 750	2004 375	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	

SUBTOTAL (1) (\$).00**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims	Extra Claims	Fee from below	Fee Paid
12	-20	0	0.00
Independent Claims	1	-3**	0
Multiple Dependent			0.00

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 84	2201 42	Independent claims in excess of 3
1203 280	2203 140	Multiple dependent claim, if not paid
1204 84	2204 42	** Reissue independent claims over original patent
1205 18	2206 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$).00

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity - Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1261 110	2251 55	Extension for reply within first month	
1252 410	2252 205	Extension for reply within second month	110.00
1263 930	2253 465	Extension for reply within third month	
1254 1,450	2254 725	Extension for reply within fourth month	
1255 1,970	2255 985	Extension for reply within fifth month	
1401 320	2401 160	Notice of Appeal	
1402 320	2402 160	Filing a brief in support of an appeal	
1403 280	2403 140	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,300	2453 650	Petition to revive - unintentional	
1501 1,300	2501 650	Utility issue fee (or reissue)	
1502 470	2502 235	Design issue fee	
1503 630	2503 315	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(a)	
1806 180	1806 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 750	2809 375	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 750	2810 375	For each additional invention to be examined (37 CFR 1.129(b))	
1801 750	2801 375	Request for Continued Examination (RCE)	
1802 800	1802 900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 110.00**SUBMITTED BY**

Name (Print/Type)	Rivka D. Monheit	Registration No. (Attorney/Agent)	48,731	Telephone (404) 817-8514
Signature	<i>Rivka D. Monheit</i>	Date	November 3, 2003	

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

**RECEIVED
CENTRAL FAX CENTER****NOV 03 2003****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE****OFFICIAL**

Applicant: Arthur J. Coury, Stephen D. Goodrich, Hildegard M. Kramer, Luis Z. Avila, John F. Traverse, and Peter K. Jarrett

Serial No.: 09/658,390

Art Unit: 1617

Filed: September 8, 2000

Examiner: S. Wang

For: *HYDROGELS FOR ORTHOPEDIC REPAIR*

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT AND RESPONSE TO OFFICE ACTION

Sir:

Responsive to the Office Action mailed on July 2, 2003, please amend the application as follows. Submitted with this Amendment and Response is a Petition for Extension of Time, to extend the period for response one month, to and including Monday, November 3, 2003. The Commissioner is hereby authorized to charge \$110, the fee for a one month extension of time, to Deposit Account No. 50-1868. It is believed that no additional fee is required with this submission. However, should an additional fee be required, the Commissioner is hereby authorized to charge the fee to Deposit Account No. 50-1868.

U.S.S.N. 09/658,390

Filed: September 8, 2000

AMENDMENT AND RESPONSE TO OFFICE ACTION

Amendment

Please enter the following amendment.

Claims 1-37 (Previously Canceled).

38. (Previously amended) A composition for forming a water-absorbing, high modulus polymeric material comprising at least one macromer and at least one monomer, wherein the macromer comprises hydrophobic and hydrophilic regions, has a molecular weight of 500 to 200,000 Da and has at least two polymerizable groups,

wherein the monomer contains at least one vinyl group and has a molecular weight of less than 1,000 Da, and

wherein the monomer comprises at least 30% (wt/wt) of the composition, and

wherein the composition forms a gel upon polymerization.

39. (Original) The composition of claim 38, wherein the composition is in the form of a fluid or paste.

40. (Original) The composition of claim 38, further comprising water.

41. (Original) The composition of claim 38, wherein the macromer is polyethyleneglycol-trimethylene carbonate-diacrylate.

42. (Original) The composition of claim 38, wherein the monomer is selected from the group consisting of vinyl caprolactam, methyl acrylate, methyl methacrylate, styrene, N-vinyl pyrrolidone, and N-vinyl imidazole, diacetone acrylamide, vinyloxyethanol, 2-acrylamido-2-methylpropane, and methyl acryloyl lactate and mixtures and derivatives thereof.